

Coolant Mixtures involving Highly Dispersed
Liquid in Superheated Vapour, by M. Curno,
23 pp.

ITALIAN, rpt, Comitato Nazionale l'Energia
Nucleare, RTI/TR-STAV (66)3.
AEC/AENE-Tr-1115

Sci/Phy
Mar 70

402,629

Average Radiation Levels Around the Linear
Accelerator and the Storage Ring, by M. Bernardini.
ITALIAN, per, Comitato Nazionale per l'Energia
Nucleare, Frascati,
AEC ORNL-tr-1558

Sci - Mat

Oct 67

342,327

The Separation of Uranium Isotopes, by P. Caldirola,
R. Fiocchi.

bk
ITALIAN, ~~xxx~~, Comitato Nazionale per le Ricerche Nucleari,
Centro di Studi Nucleari di Ispra, 170 pp.

AEAC

Sci
Apr 60

Migrations and Habitat of the Tuna (Thunnus Thynnus L.)
Studied by the Method of the Hooks, With Observations
on Growth, on the Operation of the Fisheries, etc,
by M. Sella, 22 pp.

ITALIAN, rpt, Comitato Talassografico Italiano,
Memoria 156, Seville, 1929.

SLA

27,253
Dept of Interior
SK361, A2S7f, No 76

Jun 60
Sci - Biol

Attempt to Explain the Tidal Mechanism of the Gulf of
St. Malo, by Henri Lacombe.

FRENCH, per, Comite Central d'Océanographie
d'Etude des Cotes, Bulletin d'Information, "
~~7.25.1955~~, Paris, 1955, pp 279-289.

*Navy Tr 1266/HO

Scientific - Engineering

Jan 56 CTR

Brendel, G.
T-BEAMS. Rep. of Committee no. 9 (meeting no. 5)
Vienna, Apr 59. [1962] [37]p. 5 refs.
Order from SLA \$3.60 62-20456

Trans. of Comité Européen du Béton, Paris. Bulletin
d'Information (France) 1959, no. 18.

DESCRIPTORS: *Beams (Structural), *Flanges, Struc-
tural parts, Reinforced concrete, Design, Tests,
Mechanical properties.

Contents:

Results of studies made in 1958

Notations

Computation of the effective flange width b_m by disre-
garding the flexural stiffness of the slab

Influence of the flexural stiffness of the slab

Tests

Additional problems

(Engineering--Civil, TT, v. 9, no. 10) (over)

62-20456

I. Brendel, G.
II. Title: Comité ...

Office of Technical Services

63-10202

Rüsch, H.
SCIENTIFIC RESEARCH CONCERNING FAILURE IN
BENDING AND IN COMPRESSION: [PROCEEDINGS
OF THE FIFTH WORKING SESSION, VIENNA, 1955].
[1962] 18p.
Order from SLA \$1.60

63-10202

Trans. from Comité Européen du Béton [Paris],
Bulletin d'Information (France) 1959, no. 24.

DESCRIPTORS: *Reinforced concrete, Reinforcing
materials, Failure (Mechanics), *Deformation, Com-
pressive properties, *Loading (Mechanics),
Mathematical analysis, Structures.

(Materials, TT, v. 10, no. 4)

1. Rüsch, H.

Office of Technical Services

Brice, M. L. P.

CRACKING: [PROCEEDINGS OF THE FIFTH WORK-
ING SESSION, VIENNA, 1959]. [1962] [14]p.
Order from SLA \$1.60

63-10205

Trans. from Comité Européen du Béton [Paris].
Bulletin d'Information (France) 1959, no. 24.

DESCRIPTORS: *Reinforced concrete, Reinforcing
materials, Loading (Mechanics), *Fracture
(Mechanics), Mathematical analysis, Structures.

(Materials, TT, v. 10, no. 4)

63-10205

1. Brice, M. L. P.

Office of Technical Services

Soretz, S.
DEFORMATIONS: [PROCEEDINGS OF THE FIFTH
WORKING SESSION, VIENNA, 1959]. [1962] 17p.
Order from SLA \$1.60 63-10206

Trans. from Comité Européen du Béton [Paris].
Bulletin d'Information (France) 1959, no. 24.

DESCRIPTORS: *Reinforced concrete, Reinforcing
materials, *Deformation, Mathematical analysis,
Structures, Loading (Mechanics), Mechanical
properties.

(Materials, TT, v. 10, no. 4)

63-10206

1. Soretz, S.

Office of Technical Services

Paduart, A., Aas-Jakobsen, A. and others.
REPORT ON THE FIFTH WORKING SESSION,
VIENNA, APR 59, PT. 2, [1963] 92 p.

Order from SLA \$8.60

63-18505

Trans. from Comité Européen du Béton [Paris].
Bulletin d'Information (France) 1960, no. 25.

DESCRIPTORS: *Concrete, *Beams (Structural) *Shear stresses, Load distribution, Failure (Mechanics) *Deformation, *Reinforcing materials, Structures, Mathematical analysis.

Summaries are given of studies conducted by members of the European Concrete Committee in the following areas: shear, buckling, t-beams, and technical notation.

(Engineering--Civill, TT, v. 10, no. 11)

63-18505

I. Paduart, A.
II. Aas-Jakobsen, A.

Office of Technical Services

Evolution des Conditions Hydrologiques sur le
Plateau Continental Jusqu'aux Accores au
Large de Pointe-Noire, Lors du Passage de la
Saison Chaude a la Saison Froide, by
G. R. Berritt, J. R. Donguy.

FRENCH, per, Comite Hydrographique, No 70,

*BCF

Bio Lab

Washington, D.C.

Sci

Sept 64

The Influence of Organic Matter on the Sedimentation
of Clays, by A. Riviere, S. Verhuet.

FRENCH, par, Comité Intern Etude Argiles, Compt
Rend 19e Session, Congr Geol Intern, 1952, Algiers,
No 4, 1953, pp 105-108.

ATS 50J17F
ATS 100-FJ

Sci
May 59

87,230

Transfer and Neoformation in Clay Sedimentation, by
G. Millot.

FRECHON, p. 11, Comité Intern Etude Argiles, Congr
Rand 19e Session, Congr Geol Intern, 1952, Algiers,
No 18, 1953, pp 163-175.

ATS 99-75
ATS 76987

Sci
May 59

87,229

Piontelli, R.

INFLUENCE OF THE ANION ON THE ELECTRO-CHEMICAL BEHAVIOR OF METALS. [1963] 28p 39refs
Order from SLA \$2.60 TT-64-14380

Trans. of mono. Comité Intern[ational] de Thermo-dynam[ique] et [de] Cinet[ique] Electrochim[iques]. Comptes Rendus [de] Reunion 1950 [pub. 1951] p. 185-197.

Another trans. is available from SLA as 01965, 28p

DESCRIPTORS: *Metals, *Ions, *Electrochemistry, Electrolytes, Electrodeposition, *Polarization, ion exchange,

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-14380

I. Piontelli, i

SLA to 1965

Office of Technical Services

Principal Stations of the French Gravity
Net, by S. Coron,
FRENCH, rpt, Comite National Francais de
Geodesie et Geophysique, Paris, 1951,
pp 1-13.
ACIC TC-958

EE-France
Sci/Earth Sci
Feb 66

294,676

I. Comite Panamericano de
Ciencias Geofisicas

II. Plenaria del Comite Panamericano
de Ciencias Geofisicas

Process for Decreasing Heat Leakages in the
Buildings Especially Under Hot and Dry Climates,
by M. Roubinet.

FRENCH, rpt, Comite Scientifique et Technique de
l'Industrie du Chauffage de la Ventilation et du
Conditionnement d'Air, 29 Aug 1963.

*Navy/ONI

Sci - Phys
Oct 63

Wash Tests and Wearer Trials on Shrink-Proofed
Knitted Woollens, by H. Otten.
FRENCH, per, Comite Technique, No 10, 1963,
pp 2125.
CSIRO/No 6451

Sci - Mat/Met
Apr 64

253,367

Destruction of Wool Tryptophane Through Oxidation
of Oxygenated Water, by P. Miro, J. Blade.
FRENCH, per, Comite Technique Federation
Lainiere Internationale, No 21, 1963, pp 1-6.
CSIRO/No 6596

SCI " Chem
Jun 64

261,243

On the Determinants With Predominant Principal
Diagonal, by Alexander Ostrowski.

GERMAN, per, Commentarii Math Helv, No 10, 1937,
pp 69-96.

MIN 4-32-63

Sci - Math

Jul 63

238,083

Rotations With Predominant Principal Diagonal
and the Absolute Convergence of Linear Transformations
Processes, by Alexander Ostrowski.

COMMINT, 1954, Commentarii Mathematici Helvetici, Vol. 25,
1954, pp 215-219.

REC. 5-9-63

Sect. - Math

Aug 63

341,408

(FDD 13849)

Description and Specifications of Six Machine Tools
(Hungary), 6 pp.

HUNGARIAN, irreg per, Commerce Exterior, Budapest,
Mar 1952.

CIA/FDD/UT-2129

EEur - Hungary
Economic - Machine Tools

19, 09 -

(FDD 13850)

Characteristics of the HSCS Tractors (Hungary),
6 pp.

HUNGARIAN, irreg per, Commerce Interieur, Budapest,
Mar 1952.

CIA/FDD/UT-2129

EEur - Hungary
Economic - Capital Goods

19,093

Electrification in Turkey, 8 pp.

FRANCE, bulletin Commercial Belge, Vol. LXIX, No 3,
1959, pp 63-70. Call No HF21, B94.

AMS 106 207

HE/A - Turkey
ECOS
Nov 1958

76,156

Specific Inhibition of the Adrenals, by J.
Verne, R. Wegmann, 4 pp.

FRENCH, par, Comm au 73^e -Congres de l'Associat,
Franc pour l'avancement des Sciences, Poi-
tiers, 1954, pp 438-440.

SLA 57-2657

Sci

Aug 56

70,424

Deliberations on Oscillating Strings, by
J. Bernoulli.
ITALIAN, per, Commentarii Academiae
Scientiarum Imperialis Petropolitanae,
Vol 3, pp 13-28, 1728
NASA TT F-9515

Sci-Engr
Nov 65

291,676

Symposium on Solid State Diffusion, Saclay, July 1958,
by G. Chaudron.

FRENCH, rpt, Colloque Sur La Diffusion a L'Etat Solide-
Organise a Saclay les 3, 4, et 5 Julliet 1958, CEA, 1959,
pp 17-55, 65-175.

*NBS TT 71-55282

Available NBS Only

July 71

Powder Metallurgy: Principles, Recent Progress of
Technology, Materials, and Applications, by
C. G. Goetzel.

FRENCH, prt, Institut National des Sciences et
Techniques Nucleaires, CEA, June 1962.

*NBS TT 71-55238

Available NBS Only

June 71

Electrostatic Analyzer for the Detection of Fast
Neutral Particles, by F. P. Valckx.

FRENCH, rpt, Commissariat a l'Energie Atomique,
Fontenay-aux-Roses, Seine, France, Report EUR-
CEA-TC-255, June 1964, 15 pp.

*NASA TT F-11,458

Sci/Nucl Sci
Mar 68

Treatment and Conditioning of Solid Radioactive
Wastes, by P. Cerre, E. Mestre, 17 pp.

FRENCH, rpt, CEA-2147.

AEC/BNWL-Tr-38

Sci/Nucl

Jan 70

400,161

Horizontal Cryostat for Targets of Polarized
Protons, by P. Roubeau, 95 pp.
FRENCH, per, Centre d'Etudes Nucleaires,
rpt, SPSR4-65/30.
AEC ANL Tr-356

327,976

Sci - Physics
Jul 67

Effect of Impurities on the Recovery Stages of
Electrical Resistivity in Nickel Bombarded by
Electrons at Low Temperatures, by J. L. Oddou,
G. Minier-Cassayre, P. Moser, 6 pp.
FRENCH, per, Centre d'Etudes Nucleaires, rpt
RP-269.
AEC AI Tr-220

327,971

Sci - Nuclear Science
Jul 67

Agency: AEC/Tenn. R-10145-D
P.O. No.: DEM-69-51 17 Feb. 1969
Title: Bulletin d'Information Scientifique et
Technique (Paris)
Source: Centre d'Etudes Nucleaires de Saclay,
France (46pp)
Language - French
Special Instructions: Please translate and
type 1 copy only.
Author: P.Osenda, J.Gagnaire, A.Cheneviere, B.Lachet, etc.

Agency: NRA

P. O. No.: IACRO DASA EO 809-69

R-10153-5
27 Feb. 67

Title: Les Ceintures De Radiations De Van
Allen par Philippe TOUZAIN

Source: Centre d'Etudes Nucleaires de
Grenoble

Language: French

Special Instructions: Please translate & type
1 copy -- translate Chapter VI, Part B
(pp. 17-19) and Figures 21-26 Captions.

Multisphere Technique. I. General Characteristics
and Applications, by H. Zaborowski, 52 pp.
FRENCH, par, Centre d'Etudes Nucleaires,
rpt, PAE-63/72.
AEC NP Tr-1410

311,064

Sci - Mech
Aug 67

Compatibility of Structural Steels and Carbon
Dioxide Under Pressure and at Average
Temperatures, by R. Darras, D. Leclercq,
H. Loriaux, 21 pp.

FRENCH, rpt. Centre d'Etudes Nucleaires, Saclay,
France, 1963

AEC-tr-5303

Sci

218,846

Jan 63

list 74

N. S. Savannah, Report of Mission to the United
States. VI. Reactor Vessel, by P. Mathelot, C. Dambrine,
11 pp.

FRENCH, rpt, Commissariat a l'Energie Atomique,

US Dept of Commerce
Maritime Admin
Office Services

Sci -
May 61

148,775

Coincidence Measurements Using Detectors Which
Measure the Energy of Radiation, by M. Sartory.
42 pp.

FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Saclay, CEA-229,
Oct 1953.

AEC NP-tr-1203

Sci/Nuclear Sci
Jun 66

301,119

Amouyal, A. and Benoist, P.
NEW METHOD OF DETERMINING THE THERMAL
UTILIZATION FACTOR OF A CELL, tr. by Liz
Appleby. 16 Feb 60 [38]p. 5 refs.
Order from OTS or SLA \$3.60 HW-TR-12

Trans. of [Commissariat à l'Energie Atomique]
(France) [no.] 571 [1956].

See also AEC-tr-3575 for supplement.

DESCRIPTORS: *Uranium, *Graphite, *Neutron
capture, Mathematical analysis, Special functions.

Formulae are derived for calculating the thermal
utilization factor of a cylindrical cell having no longi-
tudinal gradient, composed of a uranium bar with
radius a , surrounded by an annular cavity of thickness
 $c-a$, and by a moderator of exterior radius b . (See
also 59-14382)

(Nuclear Physics--Nuclear Reactions, TT, v. 6, no. 1)

61-19211

- I. Amouyal, A
- II. Benoist, P.
- III. CEA-571
- IV. HW-TR-12
- V. Hanford Atomic Products
Operation, Richland,
Wash.

161804

Office of Technical Services

3-28-61

Preparation of $\text{H}_2\text{SO}_4^{35}$ and of Certain Other Simple
Mineral Compounds Labeled With S^{35} , by E. Gueronniere,
R. Henry, 12 pp.

FRENCH, per, Commissariat a l'Energie Atomique, Rapport,
~~1958~~ No 858, 1958.

AEC Tr 3721

Sci - Chem

Sep 59

96,337

The Effect of Impurities on the Rate of Oxidation
of Reactor Grade Graphite, by S. Kerevsky, F. H.
Lang, P. Megnier,

FRANCE, per, Commissariat a l'Energie Atomique,
Centre d'Etudes Nucleaires, July 1, 1959, 25 pp.

REF

U. S. Atomic Energy Authority
DEG-INT-Ser-112

Sol. - The Boys
193, 576

Elin, J.

ENERGY OF SOLUTION OF RARE GASES IN METALS.

3 July 62, 16p. 6 refs.

Order from SLA \$1. 60

63-10087

Trans. from mono. [Centre d'Etude Nucleaires de
Saclay, (France). Colloque sur la Diffusion a l'Etat
Solide, 3-5 July 58, pub. 1959, 178p.] (Comm[issariat
a la] Energie At[omique] (France) no. 1293, 1959,
p. 65-72).

DESCRIPTORS: *Helium group gases, *Argon,
*Krypton, *Xenon, Heat of solution, Models (Simula-
tions), Spheres, Elasticity, Continuous media, Metals,
*Copper, *Silver, *Uranium.

For abstract see Chemical Abstracts 54: 19099, 1960.

(Chemistry--Physical, TT, v. 10, no. 3)

63-10087

I. Elin, J.

Office of Technical Services

Study of U-Ti diffusion, by Y. Adda, 7pp
FRENCH, per, Comm. a l'energie Atomique,
no. 1297, 1959, pp. 103-109.
*NBS TT 70-57597

Sci/chem
Jul 70

63-23492

Benoist, P.

THE GENERAL FORMULATION AND PRACTICAL
CALCULATION OF THE DIFFUSION COEFFICIENT
IN A LATTICE CONTAINING CAVITIES, tr. by Liz
Appleby. 16 Mar 61 [73]p. 21 refs.

Order from OTS or SLA \$7.60

HW-TR-25

Trans. of Commissariat à l'Energie Atomique,
Paris (France) no. 1354, 1959.

DESCRIPTORS: *Reactor moderators, *Reactor fuel
elements, *Reactor lattice parameters, Diffusion,
Nonleakage probability, *Neutron flux, Neutron cross
sections, Geometry, Special functions.

The calculation of diffusion coefficients in a lattice
necessitates the knowledge of a correct method of
weighting the free paths of the different constituents.
An unambiguous definition of this weighting method is
(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 9) (over)

- I. Benoist, P.
- II. HW-TR-25
- III. CEA-1354
- IV. Hanford Atomic Products
Operation, Richland,
Wash.

Office of Technical Services

Emergency Measures and Treatment in Cases of
Accidental Over-Exposure to Radiation of
Radioactive Contamination, by H. Jannet, 10 pp.

JANNET, rpt, Centre d'Etudes Nucleaires, Saclay,
Report CEA-1502, 1959.

AFRE-Tr-891

212, 667

Sci - Med

20 Sep 62

Processing of Irradiated Uranium by Spectrometry
of the Chlorides, by P. Speeckaert, 16 pp.

rpt

FRENCH, ~~par~~, Centre d'Etude de l'Energie
Nucleaire, rpt HLG-38, 13 Jul 1959.

AEC Tr-4549

Sci
Jun 61

155,942

Latent Danger Inherent in a Hydrogen Liquefier
Installation, by R. Spondlin, 9 pp.

rpt, F-10
FRENCH, ~~rept~~ Commissariat a l'Energie Atomique,
Centre d'Etudes Nucleaires, DPC. IS/CO-641/RS MBR,
9 Nov 1959. ~~SECRET~~

AERE, Harwell Tr-871

Sci - Nuc Phys
Feb 62

182,540

Trentinian, M. de and Chesne, A.

CHEMICAL DIVISION OF ACTINIDES: TERTIARY
AMINE EXTRACTION AND PURIFICATION OF
PLUTONIUM, tr. by A. L. Monks. [1962] 15p. 5 refs.
Order from OTS or SLA \$1.60 AEC-tr-5018

Trans. of ~~Commissariat à l'Énergie Atomique~~ (France)
no. CEA-1425, 1960.

DESCRIPTORS: *Actinium series, *Plutonium,
Purification, Separation, *Amines, Nitrates, Physical
properties, *Uranium, *Fission products.

Trilaurylamine diluted with a paraffinic solvent
(Dodecane) was studied as part of the research dealing
with the separation and purification of plutonium. The
physical properties (solubility of nitrates in the amine as
a function of temperature) and the resistance to radiation
of this substance were examined. The extraction
(Nuclear Physics and Nuclear Chemistry, TT, v. 9, no. 7)

63-13771

- I. Trentinian, M. de
- II. Chesne, A.
- III. Title: Tertiary . . .
- IV. AEC-tr-5018
- V. CEA-1426
- VI. Oak Ridge National Lab.,
Tenn.

Office of Technical Services

Influence of Impurities on Grain Boundary Diffusion
in Iron and Nickel, by P. Guiraldanq. 10 pp.
FRENCH, rpt, Centre d'etudes Nucleaires de Saclay,
Coloq. de Metallurgie, 1960, pp 105-114.
*NBS TT 70-57563

Sci-Phys
Jul 70

**A Radiocrystallographic Apparatus for the
Examination of Irradiated Materials, by
J. Bloch.**

FRENCH, rpt, CEA-1449, 1960.

***AEC**

**Sci-Phs
Dec 69**

Radioactive Contamination of Aquatic Media and
Organisms, by Y. Fontaine.

FREEMAN, rpt. Centre d'Etudes Nucleaires, Saclay,
Report CEA-1588, 1960, 176 pp.

AEC-Tr-5358

Sci - Nucl Sci

Jun 63

23,852

Processing of Irradiated Uranium by Sublimation
of the Chlorides, by Ph. Speeckaert,

FRENCH, rpt, Centre d'Etude de l'Energie Nucleaire,
1 Sep 1960.

AEC Tr-1553

Sol
Jun 61

155,937

Preparation of Uranium Sesicarbide and Uranium Dicarbide,
by A. Accary, J. Trouve.

FRENCH, per, Commissariat l'Energie Atomique Centre
d'Etudes Nucleaires de Saclay, No 11, 1960, DM-942.

*AEC

Sci
Mar 62

59-14382

Amouyal, A. and Benoist, P.
INTERPRETATION OF THE RESULTS OBTAINED BY
S. A. KUSHNERYUK AND C. MCKAY, tr. by Liz
Appleby. 28 Jan 59, 6p. SPM-246.
Order from OTS or SLA \$1.10 AEC-tr-3575

Trans. of [Commissariat à l'Energie Atomique]
(France) no. 571, Suppl.

DESCRIPTORS: *Neutron capture, *Neutron flux
density.

A method for calculating the thermal utilization factor
is described that differs from that described in CEA-571
(available from LC or SLA as 61-19211). Instead of a
blackbody cell, integration of the flux curve in the
actual cell is attempted in order directly to determine
neutron capture in the moderator.

(Nuclear Physics--Nuclear Reactions, TT, v. 6, no. 1)

- I. Amouyal, A.
- II. Benoist, P.
- III. AEC-tr-3575
- IV. Hanford Atomic Products
Operation, Richland, Wash
- V. CEA-571 (Suppl.)
- VI. Trans SPM-246

161561

Office of Technical Services

3-28-61

Herreng, Ertaud, and Pasquet.
DESCRIPTION OF REACTORS G2 AND G3 (Description des Réacteurs G2 and G3). Feb 61, 41p.
Order from OTS \$1.00 AEC-tr-4385

Trans. of Commissariat à l'Energie Atomique
(France) no. CEA-952.

DESCRIPTORS: Plutonium, Production, Graphite moderated reactors, Design, Cooling, Loading, Corrosion inhibition, Reactor fuels, Fuels, Uranium, Fuel elements, Reactor cores, Reactor coolants, *Reactor theory.

The novelty of the G2 and G3 reactors consists primarily in the design of the vessel for which prestressed concrete is used and also in the ability of the reactors to allow fuel loadings and unloadings to be performed while the reactors are in operation, placing (Nuclear Physics--Nuclear Engineering, TT, v. 7, no. 4) (over)

61-31691

I. Herreng
II. Ertaud
III. Pasquet
IV. CEA-952
V. AEC-tr-4385
VI. Joint Publications Research Service, New York

11-20-61
Office of Technical Services

Isotopic Analysis of H₂, HD, D₂ Mixtures and
Analysis of Ortho-Para-Hydrogen Mixtures by
Gas Chromatography.
FRENCH, per, Commissariat a l'Energie Atomique,
1961, 51 pp.
*AEC

Sci-Chem
Jun 65

Irradiation Devices Constructed at the
Grenoble Center of Nuclear Studies, 33 pp.

FRENCH, rpt, Centre d'Etudes Nucleaires,
1961. 9095766

AEC-Tr-5170

Sci - Nuc Phys

Sep 62

212,664

Decontamination of Surfaces, by E. Mestre.

FRENCH, per, Commissariat a la Energie Atomique,
Extrait d' Energie Nucleaire, Vol III, No 5,
pp Sep-Oct 1961, pp 309-318.

*AEC

Sci - Nuc Phys
Dec 62

Measurement of Amplitude Fluctuations in a
Rapid Response Photo Multiplier, by P. Rimbault.

FRENCH, per, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Saclay, 1961.
Report CEA-1770

*AEC

Sci - Nucl Sci

Apr 63

63-23311

Larue, G. de.

CHEMICAL AND ELECTROCHEMICAL PROPERTIES
IN THE MOLTEN LITHIUM CHLORIDE-POTASSIUM
CHLORIDE EUTECTIC [Propriétés Chimiques et
Electrochimiques dans l'Eutectique de Lithium Chlorure
et Potassium Fondu] tr. by Liz Appleby. Thesis, Paris
U. (France). 8 June 62 [92]p, 144 refs.

Order from OTS or SLA \$8.60

HW-TR-40

- I. Larue, G. de
- II. HW-TR-40
- III. CEA-1847
- IV. Paris U. (France)
- V. Hanford Atomic Products
Operation, Richland,
Wash.

Trans. of Commissariat à l'Énergie Atomique, Paris
(France) no. 1847, 1961.

DESCRIPTORS: *Eutectics, *Chlorides, *Potassium
compounds, *Lithium compounds, *Fused material,
Electrodes, Electric potential, Electrochemistry,
Chemical reactions, Oxides, Sulfides, Solubility,
Particles, Solutions.

Use of intensity-potential curves for the determination
of species in solution in the eutectic, and the predic-
(Chemistry--Physical, TT, v. 10, no. 11) (over)

Office of Technical Services

Contribution to the Study of the Metabolism
of Fission Products. Research on the
Physico-Chemical State and the Metabolic
Paths of Radiocesium Solutions, by
Andre Asterhardt, 124 pp.

FRENCH, rpt, Centre d'Etudes Nucleaires,
Harley, CEA-1856, 1961.

ABC Tr-5442

Sci - Chem
Oct 62

212,636

On the Phenomenon of the Reversal of the Cooling
Current in the Hot Channels of a Swimming-Pool Type
Reactor Cooled by Forced Convection, by J. Boure,
32 pp.

FRENCH, rpt, Centre d'Etude Nucleaires de Grenoble.
Section des Transports Thermiques, CEA No 1687,
1961.

Navy Tr 3263/NRL 908

217,529

Sci - Phys

Nov 62

Study of Dilution in the Plume of Radioactive
Effluents From the Marcoule Center, by J. Rodier,
J. Scheidehauser, M. Marichal, 35 pp.

FRENCH,

RESUME, per, Commissariat a l'Energie Atomique,
1961, CEA-2003. 9099893

ABC Tr-5013

Sci - Nuc Phys
May 62

196,817

Fabrication of Uranium. Influence of Fabrication
on the Microstructure and Mechanical Characteristics
of Uranium and of Slightly Alloyed Uranium, by
J. Stohr.

FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucléaires, Saclay, 1962.

NEC-tr-6519

292,650

Sci-N. Science & Tech
Nov 65

Translation Balance for Measuring Magnetic
Susceptibilities at High or Low Temperature,
by A. Blaise, M. A. Peuch, 26pp
FRENCH, per, Commissariat a l'Energie Atomique,
1962
OTS HW-TR-57

Sci - Phy
May 67

326,505

The Treatment and Conditioning of Solid Radioactive
Wastes, by P. Cerre, 17 pp.

FRENCH, rpt, CEA-2147, 1962.

AEC/BNWL-Tr-38-69

Sci/Nucl

Oct 69

393,468

Report on Activities for the Year 1963.
FRENCH, per, Centre d'Etudes Nucleaires.
(Commissariat a l'Energie Atomique, Saclay).
AEC EURFER-1F

326,418

Sci - Nuclear Science
May 67

Study of the System Carbon - Uranium - Thorium,
by M. Marchal and J. Trouve, 31 pp.

FRENCH, rpt, Centre d'Etudes Nucleaires, Sac-
Lay, CEA-3677, 10 Jan 1962.

AEC-Tr-5174

Sci - Chem
Sep 62

210, 916

BRITTLE FRACTURE STRENGTH OF STAINLESS
STEELS (AND) TESTS DESIGNED TO APPRAISE
THE BRITTLE FRACTURE STRENGTH OF WELD-
ING STEELS. Special rept. no. 1 (and annexe by
IRSID) 1 Mar 61-1 Mar 62. [1963] 118p

Contract 033-60-12 RDF

Order from OTS, SLA, or ETC \$9.60 EURAEC-279

Trans. of a rept. from Commissariat à l'Energie
Atomique, Paris (France) 28 Feb 62 with annex by
Institut de Recherches de la Siderurgie, St.-Germain-
en-Laye (France) 1 Mar 62.

DESCRIPTORS: *Stainless steel, Toughness,
Brittleness, Fracture (Mechanics), Tests,
Measurement,

(Metallurgy--Structural, TT, v. 11, no. 5)

TF-63-15813

- I. Title: Tests ...
- II. EURAEC-279
- III. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

Deformation and Surface Polygonisation
of the Iron Crystal Lattice Under the
Influence of an Oxide Layer Formed at
High Temperature, by J. Mady.

FRENCH, per, 7th Colloque Met., Centre
d'Etudes Nucleaires de Saclay Jun 1963,
pp 71-78.

BISI 4325

Sci/MGM
Oct 65

290,844

Deformation and Recrystallization of
Alustite, by G. Vagnard, J. Renard.
FRANCE, per, 7th Colloque Int., Centre
d'Etudes Nucleaires de Saclay, Jun 1965,
pp 125-130.
EISI 4324

Sci/Eng
Oct 65

200,413

The Prestressed Concrete Vessels of the C2, C3
Reactors, by F. Conte.
FRENCH, rpt. Commissariat a L'energie Atomique,
France-Espagnes Exposition de Madrid Oct 14-24,
1963. P911076666
AEC ORNL-tr-1282

Sci/Nuclear Sci
Nov 66

311,586

Symposium on Aqueous Reprocessing Chemistry for
Irradiated Fuels, by P. Faugeras.

FRENCH, per, Commissariat a l'Energie Atomique,
April 23-26, 1963.

*AEC

Sci - Phys

May 63

Cells for Examination of Irradiated Plutonium Fuel
Elements. Two Years of Operation - May 1961 to
May 1963, by A. Valentin, 79 pp.

FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Fontenay-aux-Roses,
9226072, 1963.

AEC ANL-tr-141

232,656

Sci-N. Sci & Tech
Nov 65

Gamma Spectra of Radioclements Formed by 14-Mev
Neutron Irradiation, by G. Aude, J. Laverlochere,
105 pp.

FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Grenoble, 9227672-V,
1963.

AEC ORNL-tr-348

202,678

Sci-Nuclear Sci & tech
Nov 65

Contribution to the Study of the Vertical Molten
Zone Process, by Michel Lenzi, 10 pp.
FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, 9228253, Saclay, 1963.
AEC-tr-6522

292,652

Sci-N. Sci & Tech
Nov 65

Determination of Iodine in a Biological Environ-
ment by Radio Activation Analysis,

by Dominique Comar, 64 pp.

FRENCH, rpt, Commissariat à l'Energie Atomique.

Centre d'Etudes Nucleaires, Saclay, Report
CEA-2095, 1963.

AEC-UCRL-Tr-1125(L)

Sci - Med

Aug 65

288,719

Protection of Personnel Against Atmospheric
Contamination by Plutonium in the Laboratories,
by P. Feliars, J. Pomarola, et al, 24 pp.
FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Fontenay-aux-Roses,
1963. Report CEA-2311.
AEC ORNL-Tr-591

Sci - ES
Aug 65

287,327

A Method of Preparing Plutonium Screens for
Soft X-Ray Spectrography, by L. de Bersuder,
21 pp.
FRENCH, rpt, Commissariat a l'Energie Atomique.
Fontenay-Aux-Roses Centre d'Etudes, Rpt No CEA-2338,
1963. P911162668
AEC-UCRL-Fr-10232

Sci/Phys
Jul 68

361,216

Fortran Program for Calculating Absorption
and Double Scattering Corrections in Fast Neutron
Cross-Section Measurements Using the Monte
Carlo Method, by B. Fernandez, lOpp
FRENCH, per, Comissariat a l' Energie Atomique,
1963, No 2374
OTS ORNL-tr-79

Sci - Phy
May 67

326,509

Thermodynamic and Economic Performance of a
Family of Sodium Heated Steam Generators, by

A. W. Rowe, 32 pp.

FRENCH, per, Centre d'Etudes Nucleaires,

rpt, IRP/ML/FAR-R-157, Nov 1964.

AEC EURFNR-32P

327,837

Sci - Energy Conversion

Jun 67

Activity Report for 1964. Fast Neutrons Project.
FRENCH, per, Centre d'Etudes Nucleaires, 1964.
AEC EURPFR-14P

327,829

Sci - Nuclear Science
Jun 67

Use of Cadmium in Solution in the E1 4 Reactor
Moderator - Irreversible Fixing of Cadmium on
the Metallic Surfaces, by O. Croix, O. Paoli.
FRENCH, rpt, Centre d'Etudes Nucleaires de
Saclay, 1964. P942071067
AECL-2490

Sci/Materials
Mar 67

318,586

Nuclear Reactors for 1964. Chapter V.
FRENCH, rpt, Chapter V, of the Commissariat
a l'Energie Atomique Rapport Anuel 1964,
pp 105-128. 9232569
AEC-Tr-6644

Sci/Nuclear Sci
May 66

300,515

Safety Period During the Start-Up of Nuclear
Reactors, by Jacques Fuert, 31 pp.
FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Saclay, 9227064,
March 1964.
AEC ORNL-tr-292

292,675

Sci-Nuclear Sci & Tech.
Nov 65

Stress Corrosion, Delayed Failures, Corrosion
Fatigue and Relations Between These Phenomena
(With Discussion), by A. Boyer.

FRENCH, per, Centre d'Etudes Nucleaires de
Saclay, 8th Metallurgical Symposium, Jun 1964,
pp 95-110.

BISI 5099

319,900

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Mar 67

Stress Corrosion, Delayed Failures, Corrosion
Fatigue and Relations Between These Phenomena,
by H. Coriou.

FRENCH, per, Centre d'Etudes Nucleaires de
Saclay, 8th Colloque de Mat., Jun 1964,
pp 135-142.
BISI 5100

314,796

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Feb 67

First Results of Interesting Tests of the
Rapidly Block Pile, by Andre Chalot, Rene
Ginter, Michel Sauvage, 118 pp.
FRENCH, per, Centre d'Etudes Nucleaires,
Jun 1964.
*AEC

Sci - Nuclear Science
May 67

Comparison of the Alloys U - Pu - Mo, U - Pu -
Nb, U - Pu - Ti, U - Pu - Zr., by Rene Boucher,
Pierre Barthelemy, 29 pp.
FR2201, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Fontenay-aux-Roses,
9226066, July 1964.
AEC ANL-tr-138

292,660

Sci-Materials & Metallurgy
Nov 65

Rapsodie -- Neutronic, Hydraulic, Thermal and
Dynamics Studies and Studies of Stability,
Early in 1963, 100 pp.
FRENCH, per, Centre d'Etudes Nucleaires,
Fontenay-aux-Roses, Aug 1964.
*ARC

Sci - Nuclear Science
May 67

The EL4 Reactor. Changing a Pressure Tube on a
Test Loop, by H. Foulquier, P. Clara. 24 pp.
FIDENC1, per, Commissariat a l'Energie Atomique,
Stalay (France). Centre d'Etudes Nucleaires,
Aug. 1964,
AEC RP-1243

Sci/Nuclear Sci
Nov 66

311,549

High-Output Pump by Titanium Evaporation at Low
Temperature, by F. Prevot, Z. Sladziwski, 25 pp.
FRENCH, rpt, Commissariat a l'Energie Atomique.
Centre d'Etudes Nucleaires, Fontenay-aux-Roses,
9228248, August 1964.
AEC ORNL-tr-302

292,676

Sci-Chem
Sci-M/H
Nov 65

Separation Microscopes of the Heavy
Elements, by Irma Lambert.
FRENCH, per, Commissariat a l'Energie
Atomique, 1964 9229948
AEC ORNL-Tr-622

Sci-Phys
Oct 65

290,079

Preliminary Studies Leading to a 1000 Mw
Fast Neutron Reactor Concept, by Georges
Vandreyen, Constantin Pierre Zaleski, et al.
BRUNING, per, Commissariat a l'Energie
Atomique, 1964, pp 1-128 9229617-V
REF ID: A662554

AEC-TR 6568

Sci-5567
Oct 65

290,045

Electron Energy Losses in Material: Calculating
Method and Results, by E. Bertel, H. Joffre, 19 pp.
FRENCH, rpt, CEA-Conf-1087.
AEC/OIGNL-Tr-2199-69

Sci/Nucl
Nov 69

395,984

Study of the Optimized Conditions for Fabrication of Uranium Dioxide Pellets by Pressing,
by A. Ledac, 19 pp.
FRENCH, rpt, CEA-DM-1741.
AEC/AERE-Tr-1114

Sci/Mater
Mar 70

402,626

Reactor G 1: Flux Charts in the Flat Region;
by J. P. Genthon,

FRENCH, per, Commissariat a l'Energie Atomique,
Paris, CEA-Nouv-22n, Oct 1971.

ALC 10-1501

Sci
Aug 61

163,785